

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
SOLID AND HAZARDOUS WASTE DIVISION
Chapter 3, Industrial Landfill Facilities > 1 Acre (Ren / Clos)

Design and Construction Standards		
Result	Section	Inspection Item
	1 1(f)	Does the facility have a permit or One-Time Authorization (OTA) to manage wastes at this location?
	3 4(a)	<u>Design/Construction Standards</u>
	3 4(a)	Are corners surveyed with permanent caps?
	3 4(b)(i), 5(d)	Is the landfill fenced adequately to prevent people and livestock from entering and to contain litter? If the landfill is within an industrial property with a perimeter fence and the public and animals do not have access, the perimeter fence may be waived.
	3 4(c)	If the public has access to the landfill, are all access roads used by the public equipped with a locked gate?
	3 4(c)(ii)	Is the landfill fenced adequately to prevent people and livestock from entering and to contain litter? If the landfill is within an industrial property with a perimeter fence and the public and animals do not have access, the perimeter fence may be waived.
	3 4(c)(i), 5(k)	For facilities not used by public, does the signage contain an ID of site as solid waste landfill and wastes accepted for disposal?
	3 4(e), 5(k)	Are ten foot firelanes around all active working units or within the perimeter fence and is there access to portable fire extinguishers onsite? Depending on location, personnel may be required to have a communication system to alert the local fire department.
	3 4(f)	Is there a buffer zone a minimum of 20 feet within the facility perimeter fence?
	3 4(i)	Are surface water run-on/off designs properly constructed for <5 years = 25 year / 24 hour, 5+ years = 100 year/24 hour and are sediment control structures properly constructed according to WQD?
	3 4(j)	Does the facility have an engineered containment system (ECS)?
	3 4(k)	Is the ECS designed and constructed properly?
	3 4(l)	Is the ECS less than 300,000 cubic yards unless approved liner leak detection system and/or less than 2,500,000 cubic yards for coal ash only?
	3 4(m)	Do the trench walls exceed a ratio of 1.5:1 (horizontal:vertical)?
	3 4(n), 5(l)	Are litter control structures adequately designed and constructed and does the facility have an effective litter control program?
	3 4(o)	Are facility structures adequately designed to prevent >25% LEL for methane?
	3 4(p)	Are Chapter 8 units properly designed and constructed?
	3 4(q)	Are Chapter 6 units properly designed and constructed?
	3 4(g)	Is topsoil vegetated and signed and is not removed without written authorization?

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Operating Standards		
Result	Section	Inspection Item
	3 5(a)	<u>Operating Standards</u>
	3 5(a)	Was the new qualified solid waste manager designated within 3 months after the previous manager departed?
	3 5(a)(i)	Does manager have a working knowledge of plan?

	3 5(a)(ii)	Does manager attend classroom training specified including HW and PCB training?
	3 5(a)(iii)	Does manager attend department sponsored courses?
	3 5(a)(iv)	Does new manager attend training no later than 6 months after hire and no later than 6 months following permit date?
	3 5(b)	Is a copy of the plan and emergency contact list at facility?
	3 5(c)	Does the facility have backup equipment?
	3 5(e)	Is liquid waste disposal prohibited?
	3 5(f)	Is regulated hazardous waste accepted for disposal?
	3 5(g)	Is a program in place to prevent disposal of hazardous and prohibited wastes?
	3 5(h)	Are signs posted to direct traffic to proper dumping areas, if the facility is open to the public?
	3 5(j)	Is open burning occurring without an AQD permit?
	3 5(m)	Are proper control methods used?
	3 5(n)	Are dust and odors controlled?
	3 5(o)	Is the working face confined to smallest practical area?
	3 5(p)	Are wastes effectively compacted?
	3 5(q)	Is routine cover 6 inches at least every 31 days or more frequently if required or less if exempt?
	3 5(q)(i)	If fly ash/bottom ash disposal, is routine cover less frequently as specified by the department?
	3 5(q)(iii)	Has an alternative covering scheme been approved?
	3 5(r)	For any waste disposal areas where disposal has not occurred for 180 days, has the area been covered with 18 inches of cover material?
	3 5(s)	Are all completed areas promptly reclaimed with final cover, topsoil and revegetation?
	3 5(t)	Is methane level below 25% LEL at the landfill boundary and structures?
	3 5(v)	Is discharge to surface water prohibited without NPDES permit?
	3 5(u)	Is surface water allowed to come into contact with solid waste and are adequate measures taken to prevent or alleviate ponding of water over filled areas?
	3 5(w)	Is groundwater contact allowed?
	3 5(x)	Are disposal facilities altering groundwater quality?
	3 5(y)(i)	Are the required records maintained at the facility or approved alternative location?
	3 5(y)(i)(A)	Do litter collection records have dates and areas?
	3 5(y)(i)(B)	Do compaction and cover records have dates and areas covered?
	3 5(y)(i)(C)	Do types/disposition of special wastes records have volume, date, and source?
	3 5(y)(i)(D)	Are there records of third party requests for disposal of prohibited wastes?
	3 5(y)(i)(E)	Are there records of wastes sold or otherwise salvaged?
	3 5(y)(i)(F)	Are there any records of any problems causing operations to cease?
	3 5(y)(i)(G)	Are there records of as-built trench specs for length, width, depth and trench location?
	3 5(y)(i)(H)	Are there records with trench completion dates and contents?

	3 5(y)(i)(I)	Are there records of monitoring data required by Section 6?
	3 5(y)(i)(J)	Is there a copy of the department permit letter in the records?
	3 5(y)(i)(K)	Are there records of reclamation activity dates and description of areas?
	3 5(z)	Is facility in compliance with the applicable Chapter 8 special waste standards?
	3 5(aa)	Is facility in compliance with the applicable Chapter 6 operating standards?

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Monitoring Standards		
Result	Section	Inspection Item
	3 6	<u>Monitoring Standards</u>
	3 6(a)	Are samples handled and stored properly?
	3 6(b)(i)(B)	Are wells properly placed?
	3 6(b)(i)(B)	Are wells properly designed, constructed and installed?
	3 6(c)(iii)	Is methane monitored at least quarterly if required?
	3 6(c)(i)	Are methane probes located, designed, constructed and installed properly?
	3 6(c)(ii)	Have probes been properly plugged and sealed?
	3 6(d)	Is air monitored (if required)?
	3 6(e)	Is there soil core monitoring?
	3 6(f)	Is there vadose zone monitoring?

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Closure/Post-closure Standards		
Result	Section	Inspection Item
	3 7	<u>Closure Standards</u>
	3 7(a)	Does closure commence no later than 9 months following final waste receipt and < or = to 12 months?
	3 7(b)	If used by public, is notification of closure in area newspaper and all access points?
	3 7(c)	Is site properly engineered to prevent erosion or ponding problems?
	3 7(d)	Is the minimum thickness of subsoil and topsoil for final cover at least two feet thick with at least 6 inches of topsoil and properly graded to prevent erosion and surface water ponding?
	3 7(e)	Is ground revegetated to minimize wind and water erosion of final cover?
	3 7(f)	Are corners surveyed and marked with permanent survey caps?
	3 7(g)	Is there evidence that the instrument filed with the county clerk, clearly gives notice of the restrictions that apply to future activities on the disposal facility property? Are there assurances post-closure property uses are restricted to prevent disturbance of the facility's containment or monitoring systems?
	3 7(g)	Are there assurances post-closure property uses are restricted to prevent disturbance of the facility's containment or monitoring systems?
	3 7(h)	Are fences, gates and other restricted access maintained until site is closed or revegetated?
	3 7(j)	Are surface water structures maintained/operated throughout closure and post-closure?

	3 7(i)	Are all waste containment systems (liners, leachate collection and management, detection, final cover, etc.) maintained throughout closure and post-closure?
	3 7(k)	Are environmental monitoring systems properly maintained/operated throughout the closure and post-closure periods?
	3 7(l)	Are corrective action systems maintained and operated throughout the closure and post-closure periods?
	3 7(m)	Is facility in compliance with Chapter 8 closure standards?
	3 7(n)	Is facility in compliance with Chapter 6 closure standards?
	3 7(o)	Is closure certified by a Wyoming P.E.?
	3 7(p)	Is facility returned to post-closure land use specified in permit or an alternative use approved?
	3 7(q)	Has it been determined that the facility has been adequately stabilized and that the environmental monitoring or control systems have demonstrated that the facility closure is protective of public health and the environment consistent with the purposes of the act?
	3 7(q)	Does the facility comply with the minimum number of years for post-closure care?

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